



PATENT  
Attorney Docket No. THI-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Teich et al.  
SERIAL NO.: 10/688,791 GROUP NO.: 1651  
FILING DATE: October 17, 2003 EXAMINER: Not yet assigned  
TITLE: METHOD AND DEVICE FOR MEASURING MULTIPLE  
PHYSIOLOGICAL PROPERTIES OF CELLS

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 15<sup>th</sup> day of March, 2004.

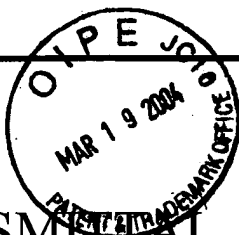
  
Wendy Martin

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are: Transmittal Form (1 page); Information Disclosure Statement (2 pages); Form PTO-1449 (5 pages); References Labeled A1 to A26, B1 to B8 and C1 to C39; and a return receipt postcard.

# TRANSMITTAL FORM



|                           |                  |
|---------------------------|------------------|
| Application Serial Number | 10/688,791       |
| Filing Date               | October 17, 2003 |
| First Named Inventor      | Teich            |
| Group Art Unit            | 1651             |
| Examiner Name             | Not yet assigned |
| Attorney Docket No.       | THI-002          |
| Patent No.                | Not applicable   |
| Issue Date                | Not applicable   |

## ENCLOSURES (check all that apply)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form<br><br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> Preliminary<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]<br><br><input type="checkbox"/> Petition for Extension of Time<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input checked="" type="checkbox"/> Form PTO-1449<br><input checked="" type="checkbox"/> Copies of IDS Citations<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Sequence Listing submission<br><input type="checkbox"/> Paper Copy/CD<br><input type="checkbox"/> Computer Readable Copy<br><input type="checkbox"/> Statement verifying identity of above | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application<br><br><input type="checkbox"/> Formal Drawing(s)<br><br><input type="checkbox"/> Request For Continued Examination (RCE) Transmittal<br><br><input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application<br><br><input type="checkbox"/> Small Entity Statement<br><br><input type="checkbox"/> CD(s) for large table or computer program<br><br><input type="checkbox"/> Amendment After Allowance<br><br><input type="checkbox"/> Request for Certificate of Correction<br><input type="checkbox"/> Certificate of Correction (in duplicate) | <input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences<br><br><input type="checkbox"/> Appeal Brief (in triplicate)<br><br><input type="checkbox"/> Status Inquiry<br><br><input checked="" type="checkbox"/> Return Receipt Postcard<br><input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8<br><br><input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8<br><br><input type="checkbox"/> Additional Enclosure(s) (please identify below) |
|---|---|---|

## CORRESPONDENCE ADDRESS

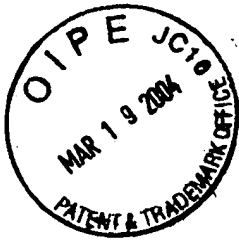
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## SIGNATURE BLOCK

Respectfully submitted,

Date: March 15, 2004  
 Reg. No. 44,381  
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PATENT  
Attorney Docket No. THI-002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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PHYSIOLOGICAL PROPERTIES OF CELLS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

In addition, Applicant wishes to inform the Examiner about the following co-pending patent applications, and Office Actions issued therein:

U.S. Serial No. 10/313,917, filed on December 6, 2002, by Neilson *et al.* (THI-001); and

U.S. Serial No. 10/759,374, filed on January 16, 2004, by Hafeman (THI-003).

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,

Date: March 15, 2004  
Reg. No. 44,381

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VER 12/00  
3013596-1

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| <b>FORM PTO - 1449</b><br><b>INFORMATION DISCLOSURE STATEMENT</b> |     |                    |            | <b>ATTY DOCKET NO.:</b> THI-002<br><b>APPLICANTS:</b> Teich <i>et al.</i><br><b>SERIAL NO.:</b> 10/688,791<br><b>FILING DATE:</b> October 17, 2003<br><b>GROUP:</b> 1651 |       |              |                               |
|---|-----|--------------------|------------|--|-------|--------------|-------------------------------|
| <b>U.S. PATENT DOCUMENTS</b>                                      |     |                    |            |  |       |              |                               |
| EXAM.<br>INIT.  |     | DOCUMENT<br>NUMBER | DATE       | NAME   | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|   | A1  | 4,711,851          | 12/08/1987 | McNamara et al.  |       |              |                               |
|   | A2  | 5,104,804          | 04/14/1992 | Humphries et al.   |       |              |                               |
|   | A3  | 5,278,048          | 01/11/1994 | Parce et al.   |       |              |                               |
|   | A4  | 5,468,605          | 11/21/1995 | Harris et al.  |       |              |                               |
|   | A5  | 5,495,850          | 03/05/1996 | Zuckerman  |       |              |                               |
|   | A6  | 5,496,697          | 03/05/1996 | Parce et al.   |       |              |                               |
|   | A7  | 5,536,662          | 07/16/1996 | Humphries et al.   |       |              |                               |
|   | A8  | 5,567,598          | 10/22/1996 | Stitt et al.   |       |              |                               |
|   | A9  | 5,766,875          | 06/16/1998 | Hafeman et al.   |       |              |                               |
|   | A10 | 5,774,214          | 06/30/1998 | Prettyjohns  |       |              |                               |
|   | A11 | 5,792,426          | 08/11/1998 | Portman et al.   |       |              |                               |
|   | A12 | 5,830,138          | 11/03/1998 | Wilson   |       |              |                               |
|   | A13 | 5,959,297          | 09/28/1999 | Weinberg et al.  |       |              |                               |
|   | A14 | 5,998,517          | 12/07/1999 | Gentle et al.  |       |              |                               |
|   | A15 | 6,030,917          | 02/29/2000 | Weinberg et al.  |       |              |                               |
|   | A16 | 6,080,574          | 06/27/2000 | Berndt   |       |              |                               |
|   | A17 | 6,380,605          | 04/30/2002 | Verhaegen  |       |              |                               |
|   | A18 | 6,395,506          | 05/28/2002 | Pitner et al.  |       |              |                               |
|   | A19 | 6,395,555          | 05/28/2002 | Wilson et al.  |       |              |                               |
|   | A20 | 2002-0098592 A1    | 07/25/2002 | Neilson  |       |              |                               |
|   | A21 | 2002-0098593 A1    | 07/25/2002 | Neilson  |       |              |                               |
|   | A22 | 2002-0132360 A1    | 09/19/2002 | Neilson  |       |              |                               |
|   | A23 | 2002-0146345 A1    | 10/10/2002 | Neilson  |       |              |                               |
| <b>EXAMINER</b>   |     |                    |            | <b>DATE CONSIDERED</b>   |       |              |                               |

| <b>FORM PTO - 1449</b>                   |  |  |            | <b>ATTY DOCKET NO.:</b> THI-002        |                        |           |                            |               |                    |
|--|--|--|------------|--|------------------------|-----------|----------------------------|---------------|--------------------|
| <b>INFORMATION DISCLOSURE STATEMENT</b>  |  |  |            | <b>APPLICANTS:</b> Teich <i>et al.</i> |                        |           |                            |               |                    |
|  |  |  |            | <b>SERIAL NO.:</b> 10/688,791          |                        |           |                            |               |                    |
|  |  |  |            | <b>FILING DATE:</b> October 17, 2003   |                        |           |                            |               |                    |
|  |  |  |            | <b>GROUP:</b> 1651                     |                        |           |                            |               |                    |
| <b>U.S. PATENT DOCUMENTS</b>             |  |  |            |  |                        |           |                            |               |                    |
| EXAM. INIT.                              |  | DOCUMENT NUMBER  | DATE       | NAME                                   | CLASS                  | SUB CLASS | FILING DATE IF APPROPRIATE |               |                    |
|  | A24  | 2002-0146836 A1  | 10/10/2002 | Neilson                                |                        |           |                            |               |                    |
|  | A25  | 2003-0059807 A1  | 03/27/2003 | Longmont et al.                        |                        |           |                            |               |                    |
|  | A26  | 6,673,532  | 01/06/2004 | Rao                                    |                        |           | 08/14/2001                 |               |                    |
| <b>FOREIGN PATENT DOCUMENTS</b>          |  |  |            |  |                        |           |                            |               |                    |
| EXAM. INIT.                              |  | DOCUMENT NUMBER  | DATE       | COUNTRY CODE                           | CLASS                  | SUB CLASS | FILING DATE                | ABSTRACT ONLY | ENGLISH LANG (Y/N) |
|  | B1   | WO 00/32308  | 06/08/2000 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B2   | WO 00/36410 A1   | 06/22/2000 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B3   | WO 01/85901 A2   | 11/15/2001 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B4   | WO 01/85901 A3   | 11/15/2001 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B5   | WO 02/08385  | 01/31/2002 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B6   | WO 02/11881 A1   | 02/14/2002 | PCT                                    |                        |           |                            | NO            | YES                |
|  | B7   | WO 02/083852   | 05/2002    | PCT                                    |                        |           |                            | NO            | YES                |
|  | B8   | WO 02/099386 A2  | 12/12/2002 | PCT                                    |                        |           |                            | NO            | YES                |
| <b>OTHER ART, JOURNAL ARTICLES, ETC.</b> |  |  |            |  |                        |           |                            |               |                    |
| EXAM. INIT.                              | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) |  |            |  |                        |           |                            |               |                    |
|  | C1   | Beebe D.J., Mensing G.A., Walker G.M. (2002) "Physics and applications of microfluidics in biology." <u>Annu. Rev. Biomed. Eng.</u> , 4, 261-86  |            |  |                        |           |                            |               |                    |
|  | C2   | Beebe D.J., Moore J.S., Bauer J.M., Yu Q., Liu R.H., Devadoss, C., Jo B.H. (2000) "Functional hydrogel structures for autonomous flow control inside microfluidic channels. <u>Nature</u> , 404, 588-90                  |            |  |                        |           |                            |               |                    |
|  | C3   | Bousse, L., Cohen, C., Nikiforov, T., Chow, A., Kopf-Sill, A.R., Dubrow, R. and Parce, J.W. (2000) "Electrokinetically Controlled Microfluidic Analysis Systems." <u>Annu. Rev. Biophys. Biomol. Struct.</u> 29, 155-181 |            |  |                        |           |                            |               |                    |
|  | C4   | Brecht & Gauglitz, "Optical probes and transducers," Biosensors and Bioelectronics, 10, p. 923-936, 1995   |            |  |                        |           |                            |               |                    |
| <b>EXAMINER</b>                          |  |  |            |  | <b>DATE CONSIDERED</b> |           |                            |               |                    |

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| FORM PTO - 1449                   |  | ATTY DOCKET NO.: THI-002   |
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| EXAM.<br>INIT.                    | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) |  |
|                                   | C5   | Clark, L.C. Jnr. <i>Ann. NY Acad. Sci.</i> 1962; 102:29-45   |
|                                   | C6   | B. Cunningham, P. Li, B. Lin, J. Pepper, "Colorimetric resonant reflection as a direct biochemical assay technique," <i>Sensors and Actuators B</i> , Volume 81, p. 316-328, Jan. 5, 2002  |
|                                   | C7   | Flora K and J Brennan. Comparison of Formats for the Development of Fiber-Optic Biosensors Utilizing Sol-Gel Derived Materials Entrapping Fluorescently-Labeled Proteins. <i>Analyst</i> , 1999, 124, 1455-146   |
|                                   | C8   | Ge X, Kostov Y, and G Rao. High Stability non-invasive autoclavable naked optical CO <sub>2</sub> sensor. 2003. <i>Biosensor and Bioelectronics</i> 18:pp.857-865  |
|                                   | C9   | Gesinski RM, Morrison JH, Toepfer JR. "Measurement of oxygen consumption of rat bone marrow cells by a polarographic method." <i>J Appl Physiol.</i> 1968; 24(6):751-754   |
|                                   | C10  | Hasselbrink E.F. Jr., Shepodd T.J., Rehm J. (2002) "High-pressure microfluidic control in lab-on-a-chip devices using mobile polymer monoliths." <i>Anal Chem.</i> 74, 4913-8  |
|                                   | C11  | Hua S.Z., Sachs F., Yang D.X., Chopra H.D. (2002) "Microfluidic actuation using electrochemically generated bubbles." <i>Anal Chem.</i> 74, 6392-6   |
|                                   | C12  | Huber et al., "Direct optical immunosensing (sensitivity and selectivity)," <i>Sensors and Actuators B</i> , 6, p. 122-126, 1992   |
|                                   | C13  | Jin et al., "A biosensor concept based on imaging ellipsometry for visualization of biomolecular interactions," <i>Analytical Biochemistry</i> , 232, p. 69-72, 1995   |
|                                   | C14  | Jordan & Corn, "Surface Plasmon Resonance Imaging Measurements of Electrostatic Biopolymer Adsorption onto Chemically Modified Gold Surfaces," <i>Anal. Chem.</i> , 69:1449-1456 (1997)  |
|                                   | C15  | Lähdesmäki I, Scampavia LD, Beeson C, and Ruzicka J. "Detection of Oxygen Consumption of Cultured Adherent Cells by Bead Injection Spectroscopy." <i>Anal. Chem.</i> 1999; 71: 5248-5252   |
|                                   | C16  | Lehmann, M, Baumann W, Brischwein M, Gahle H-J, Freund I, Ehret R, Dreschler S, Palzer H, Kleintges M, Sieben U and Wolf B. "Simultaneous measurement of cellular respiration and acidification with a single CMOS ISFET. 2001." <i>Biosensors &amp; Bioelectronics.</i> 2001;16:195-203 |
|                                   | C17  | McConnell, H.M., Owicki, J.C., Parce, J.W., Miller, D.L., Baxter, G.T., Wada, H.G. and Pitchford, S. (1992) "The Cytosensor Microphysiometer: Biological Applications of Silicon Technology" <i>Science</i> 257: 1906  |
|                                   | C18  | Metzgar, R., Deglmann, C.J., Hoerrlein, S., Zapf, S. and Hilfrich, J. (2001) <i>Toxicology</i> 166, 97-108   |
|                                   | C19  | Morhard et al., "Immobilization of antibodies in micropatterns for cell detection by optical diffraction," <i>Sensors and Actuators B</i> , 70, p. 232-242, 2000   |

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|                                   | C20  | Motterlini et. al., "Depression of Endothelial and Smooth Muscle Cell Oxygen Consumption by Endotoxin," American Journ. of Physio. vol. 275, No. 168 p. 776-782, Sep. 1998  |  |
|                                   | C21  | O'Riordan TC, Buckley D., Ogurtsov V, O'Connor R., Papkovsky DB "A cell viability assay based on monitoring respiration by optical oxygen sensor." <i>Anal. Biochem.</i> 2000; 278(2):221-227   |  |
|                                   | C22  | Owicki, J.C., Bousse, L.J., Hafeman, D.G., Kirk, G.L., Olson, J.D., Wada, H.G. and Parce, J.W. (1994) "The Light-Addressable Potentiometric Sensor: Principles and Biological Applications." <u>Ann. Rev. Biophys. Biomol. Struct.</u> 23: 87   |  |
|                                   | C23  | Panten U and Klein H. "O <sub>2</sub> consumption by isolated pancreatic islets, as measured in a Microincubation system with a Clark-type electrode." <i>Endocrinology</i> 1982; 111:1595-1600   |  |
|                                   | C24  | Parce W, Owicki J, Kercso K, Sigal G, Wada H, Muir V, Bousse L, Ross K, Sikic B, and McConnell H. 1989. "Detection of Cell-Affecting Agents with a Silicon Biosensor." <i>Science</i> . 1989; 246(4927):243-247                                 |  |
|                                   | C25  | Pattison R, Swamy J, Mendenhall B, Hwang C, and Frohlich B. "Measurement and Control of Dissolved Carbon Dioxide in Mammalian Cell Culture Processes Using an in Situ Fiber Optic Chemical Sensor." 2000. <i>Biotechnology Prog.</i> 16:769-774 |  |
|                                   | C26  | Pouli, A.E., Karagenc, N., Arden, S., Bright, N., Schofield, G.S., Hutton, J.C. & Rutter, G.A. (1998) "A phogrin-aequorin chimaera to image Ca <sup>2+</sup> in the vicinity of secretory granules." <u>Biochem. J.</u> , 330, 1399 - 1404      |  |
|                                   | C27  | Robiolio et al., "Oxygen diffusion and mitochondrial respiration in neuroblastoma cells," <i>Am. J. Physiol.</i> 256 (6 Pt 1):C1207-1213 (Jun. 1989)  |  |
|                                   | C28  | Rumsey et al., "Cellular Energetics and the Oxygen Dependence of Respiration in Cardiac Myocytes Isolated from Adult Rat" <i>Journal of Biological Chemistry</i> . 265(5):15392-15399. 1990   |  |
|                                   | C29  | Shenoy MA, Biaglow JE, Varnes ME, Hetzel FW. "Inhibition of cultured human tumor cell oxygen utilization by chlorpromazine." <i>Adv Exp Med Biol.</i> 1983;159:359-68   |  |
|                                   | C30  | Thorsen, T., Maerkl, S.J. and Quake, S.R. (2002) Microfluidic Large-Scale Integration <u>Science</u> 298, 580-586   |  |
|                                   | C31  | Tolosa L, Kostov Y, Harms P, Rao G. "Noninvasive measurement of dissolved oxygen in shake flasks." <i>Biotechnol Bioeng</i> 2002 Dec 5;80(5):594-7  |  |
|                                   | C32  | Unger, M.A., Chou, H-P, Thorsen, T., Scherer, A, and Quake, S.R. (2000) <u>Science</u> 288, 113   |  |
|                                   | C33  | Vanderkooi et. al., "An Optical Method for Measurement of Dioxygen Concentration Based upon Quenching of Phosphorescence," <i>J. Biol. Chem.</i> , 262 (12):5476-5482 (Apr. 1987)   |  |



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| <b>FORM PTO - 1449</b>                   |   | <b>ATTY DOCKET NO.:</b> THI-002   |  |
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| <b>EXAM. INIT.</b>                       | <b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b> |   |  |
|  | C34   | Wada, H.G. Indelicato, S.R., Meyer, L. Kitamura, T., Miyajima, A., Kirk, G., Muir, V.C. and Parce, J.W. (1993) "GM-CSF Triggers a Rapid Glucose Dependent Extracellular Mediated Activation of Acid Production." <i>J. Cell Physiol.</i> 154: 129 |  |
|  | C35   | Wiley, C and Beeson, C. (2002) "Continuous measurement of glucose utilization in heart myoblasts." <i>Analytical Biochemistry</i> 304, 139-146  |  |
|  | C36   | Wilson et al., "The Oxygen Dependence of Mitochondrial Oxidative Phosphorylation Measured by a New Optical Method for Measuring Oxygen Concentration," <i>J. Biol. Chem.</i> , 263:2712-2718 (1988)   |  |
|  | C37   | Wodnicka M, Guarino RD, Hemperly JJ, Timmins MR, Stitt D, Pitner JB. "Novel fluorescent technology platform for high throughput cytotoxicity and proliferation assays." <i>Journal of Biomolecular Screening.</i> 2000; 5:141-152                 |  |
|  | C38   | Wolfbeis OS, 2002. "Fiber-Optic Chemical Sensors and Biosensors." <i>Annal of Chem.</i> 2002; 74:2663-2678  |  |
|  | C39   | Handbook of Fluorescent Probes and Research Products published by Molecular Probes, Inc., Eugene, Oregon, USA, <a href="http://www.probes.com/handbook/">http://www.probes.com/handbook/</a> (accessed 3/12/04), Table of Contents, 2 pages       |  |
| <b>EXAMINER</b>                          |   | <b>DATE CONSIDERED</b>  |  |

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